

Kid Galaxy Hammer Head RC RX

OPERATION PRINCIPLE

The Kid Galaxy Hammer Head RC operates at 49.860MHz, encode signals were received from antenna then passed into the super regeneration band pass filter circuit for wave-check; After Pre-amplification then passed into the decoder of the IC, the controlling signals corresponding to TX will be demodulated out to control the car's functions of forward; backward. turn left, turn right.

Circuits' composition:

Power circuit, super regeneration band pass filter and amplifier circuit, pre-amplified circuit, decoder circuit, motor front/back circuit.

1. Power circuit:

SW1, Q14, C23, R21, C4, C9, ZD2, R3

2. Low voltage protect circuit

R1, C22, C21, D8, D7, R26, R22, Q15, Q16, R31, R24, ZD1, R20

3. super regeneration band pass filter and amplifier circuit:

L1, L2, L3, C2, C1, Q1, C3, R2, C12, C13, R11, C11, R4

4. pre-amplified circuit:

C5, C6, C7, R5, R19, C14, R13, R12, C15, C16.

4 · decoder circuit:

U1, R6

5. car front/back circuit:

R7, R8, R9, R10, Q2, Q3, Q4, Q5, Q6, Q7

6. car right/left circuit:

R15, R16, U2, C17, C8, C10.